VHIE Connectivity Criteria Approval - 2024

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VITL

VHIE Connectivity Criteria - 2024

- Establishes the criteria for health care organizations to connect to the Vermont Health Information Exchange (VHIE)

- VHIE Baseline connectivity criterion remains unchanged
  - Supports structured data for storage and use at point of care
  - Supports creation of a patient record or matching to existing patient records in the VHIE

- VHIE Connectivity Criteria tiers have been revised to align with United States Core Data for Interoperability (USCDI)
  - Published by the Office of the National Coordinator for Health Information Technology (ONC)
  - Replaces the 2015 Common Clinical Data Set (CCDS)
  - Specifies common data classes, data elements and terminologies to support interoperability

United States Core Data for Interoperability (USCDI)

- USCDI is a standardized set of health data classes and data elements for nationwide, interoperable health information exchange

    - Data Class: an aggregation of various data elements by a common theme or use case (e.g., Vital signs)

    - Data Element: the most granular level at which a piece of data is represented for exchange (e.g., Systolic blood pressure, Diastolic blood pressure)

    - Terminology: standard vocabulary applicable to the data element (LOINC, SNOMED CT, RxNorm)

- USCDI is updated annually to meet the evolving needs of interoperable health information exchange

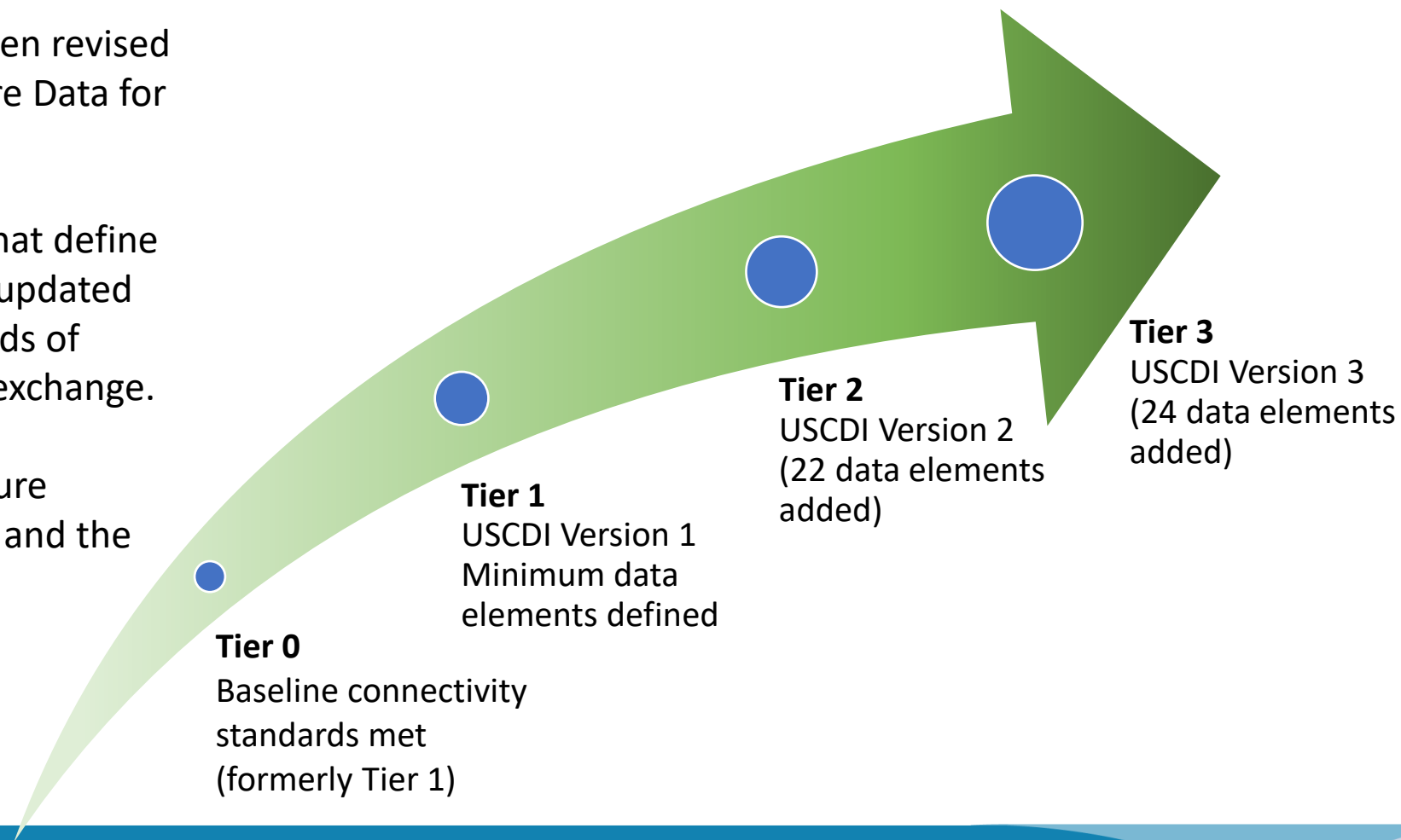# Alignment with USCDI advances interoperability

- USCDI establishes a common set of data in support of health information exchange, including patient access

- ONC Health IT Certification Program requires EHRs to be able to exchange USCDI data elements. Required versions are regulated, but EHR vendors can update to the latest version at any time.
  - Current certification program requires USCDI version 1 as the standard
  - Proposed rule revises the standard to USCDI version 3 beginning in 2025

- USCDI is required for document-based exchange and application programming interfaces (APIs)

- Increasingly, federal programs and clinical practice guidelines reference the ability to capture or exchange of USCDI-defined data

Connectivity Criteria Maturity Model

VHIE Connectivity Criteria have been revised to align with the United States Core Data for Interoperability (USCDI)

USCDI are nationwide standards that define the baseline set of data. They are updated annually to meet the evolving needs of interoperable health information exchange.

Criteria drive advancement, measure progress of each data contributor, and the maturity of the overall network

Tier 0
Baseline connectivity standards met (formerly Tier 1)

Tier 1
USCDI Version 1 Minimum data elements defined

Tier 2
USCDI Version 2 (22 data elements added)

Tier 3
USCDI Version 3 (24 data elements added)

USCDI Resources

- Detailed lists and specifications of the data classes and data elements for each USCDI version are available at the following website: https://www.healthit.gov/isa/united-states-core-data-interoperability-uscdi

USCDI version 1

Allergies and Intolerances
- Substance (Medication)
- Substance (Drug Class)
- Reaction

Assessment and Plan of Treatment
- Assessment and Plan of Treatment

Care Team Members
- Care Team Members

Clinical Notes
- Consultation Note
- Discharge Summary Note
- History & Physical
- Imaging Narrative
- Laboratory Report Narrative
- Pathology Report Narrative
- Procedure Note
- Progress Note

Goals
- Patient Goals

Health Concerns
- Health Concerns

Immunizations
- Immunizations

Laboratory
- Tests
- Values/Results

Medications
- Medications

Patient Demographics
- First Name
- Last Name
- Previous Name
- Middle Name (including Middle Initial)
- Suffix
- Birth Sex
- Date of Birth
- Race
- Ethnicity
- Preferred Language
- Current Address
- Previous Address
- Phone Number
- Phone Number Type
- Email Address

Problems
- Problems

Procedures
- Procedures

Provenance
- Author Time Stamp
- Author Organization

Smoking Status
- Smoking Status

Unique Device Identifier(s) for a Patient's Implantable Device(s)
- Unique Device Identifier(s) for a Patient's Implantable Device(s)

Vital Signs ← **Data Class**
- Diastolic Blood Pressure ← **Data Element**
- Systolic Blood Pressure ←
- Body Height
- Body Weight
- Heart Rate
- Respiratory Rate
- Body Temperature
- Pulse Oximetry
- Inhaled Oxygen Concentration
- BMI Percentile (2 - 20 Years)
- Weight-for-length Percentile (Birth - 36 Months)
- Head Occipital-frontal Circumference Percentile (Birth - 36 Months)